# BRUHAT BANGALORE MAHANAGARA PALIKE

## PWD FORM - 45 (WORK SLIP)

**Name of Work: Improvements and Asphalting to roads at Vaishnavi Layout and Surrounding Areas in ward No 09 in Vidyaranyapura sub Division.**

**Name of Agency: M/s. Nandi Enterprises, (Prop: Sri P. Vijay Babu), Contractor, # 1504, 4th C Main Road, 2nd Stage, WOC Road, Bangalore - 86.**

**Estimated Cost: 35,00,000.00**

**Tender Amount : Rs. 33,25,615.27 Lakhs**

**Work Order No. EE/BTP/BBMP/E-PMT-01(17866)/WO/230/2015-16 Dated: 26.02.2016.**

| SL. No. | Description | Unit | Qty. as per Sanctioned Estimate | | | Qty. as per Tender | | | Actual executed Qty. | Qty. as per Actuals upto 125% | | | Qty. as per Actuals above 125% | | | Total Executed Amount | Savings | Excess | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qty. | Rate | Amount | Qty. | Rate | Amount | | Qty. | Rate | Amount | Qty. | Rate 2015-16+/- T.P | Amount | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1 | Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly | Cum | 804.00 | 75.60 | 60782.40 | 804.00 | 75.00 | 60300.00 | 1177.75 | 1005.00 | 75.00 | 75375.00 | 172.75 | 79.83 | 13790.00 | 89165.00 | | 28865.00 | |
| 2 | Removing B.S Slab of Drain and stacking etc complete as per specifications and directions of engineer in charge of the work | Sqm | 742.50 | 58.32 | 43302.60 | 742.50 | 58.00 | 43065.00 | 1471.50 | 928.13 | 58.00 | 53831.00 | 543.38 | 61.16 | 33235.00 | 87066.00 | | 44001.00 | |
| 3 | Refixing stone slabs of drains and pointing in C.M (1:3) etc complete as per specifications and directions of engineer in charge of the work | Sqm | 742.50 | 75.60 | 56133.00 | 742.50 | 75.00 | 55687.50 | 1471.50 | 928.13 | 75.00 | 69609.00 | 543.38 | 75.68 | 41122.00 | 110731.00 | | 55043.50 | |
| 4 | Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, | Cum | 40.20 | 4847.04 | 194851.01 | 40.20 | 4000.00 | 160800.00 | 44.70 | 44.70 | 4000.00 | 178800.00 | 0.00 | 0.00 | 0.00 | 178800.00 | | 18000.00 | |
| 5 | Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete | Sqm | 536.00 | 993.60 | 532569.60 | 536.00 | 993.00 | 532248.00 | 0.00 | 0.00 | 993.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 532248.00 | | |
| 6 | Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine | Cum | 56.95 | 5327.64 | 303409.10 | 56.95 | 5000.00 | 284750.00 | 2.52 | 2.52 | 5000.00 | 12600.00 | 0.00 | 0.00 | 0.00 | 12600.00 | 272150.00 | | |
| 7 | Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ | Cum | 60.30 | 6065.28 | 365736.38 | 60.30 | 5000.00 | 301500.00 | 32.80 | 32.80 | 5000.00 | 163980.00 | 0.00 | 0.00 | 0.00 | 163980.00 | 137520.00 | | |
| 8 | Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding | Tonne | 3.02 | 78351.84 | 236622.56 | 3.02 | 78351.00 | 236620.02 | 0.52 | 0.52 | 78351.00 | 40871.00 | 0.00 | 0.00 | 0.00 | 40871.00 | 195749.02 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qty. | Rate | Amount | Qty. | Rate | Amount | | Qty. | Rate | Amount | Qty. | Rate 2015-16+/- T.P | Amount | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 9 | Providing and removing centering, shuttering, strutting, propping etc., and **removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm** including cost | Sqm | 552.75 | 314.28 | 173718.27 | 552.75 | 314.00 | 173563.50 | 16.50 | 16.50 | 314.00 | 5180.00 | 0.00 | 0.00 | 0.00 | 5180.00 | 168383.50 | | |
| 10 | Scarifying kankar/gravel/metal crust upto 150mm thick with pick axes and disposal of stuff within a lead of 100 meters including cost of all labour charges etc complete as per specifications and directions of engineer | Sqm | 2200.00 | 22.68 | 49896.00 | 2200.00 | 22.00 | 48400.00 | 2200.00 | 2200.00 | 22.00 | 48400.00 | 0.00 | 0.00 | 0.00 | 48400.00 | — | 0.00 | |
| 11 | Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to | Cum | 453.75 | 1438.56 | 652746.60 | 453.75 | 1400.00 | 635250.00 | 719.40 | 567.19 | 1400.00 | 794063.00 | 152.21 | 1645.23 | 250425.00 | 1044488.00 | | 409238.00 | |
| 12 | Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 Kg / sqm using mechnical means etc | Sqm | 3025.00 | 31.32 | 94743.00 | 3025.00 | 31.00 | 93775.00 | 3850.00 | 3781.25 | 31.00 | 117219.00 | 68.75 | 26.95 | 1853.00 | 119072.00 | | 25297.00 | |
| 13 | Providing and laying **semi dense bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the | Cum | 75.63 | 8475.84 | 641027.78 | 75.63 | 8475.00 | 640964.25 | 96.25 | 94.54 | 8475.00 | 801205.00 | 1.71 | 6465.85 | 11073.00 | 812278.00 | | 171313.75 | |
| 14 | Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading etc complete as per specifications and directions of engineer in charge of the work | Cum | 804.00 | 73.57 | 59150.28 | 804.00 | 73.00 | 58692.00 | 1177.75 | 1005.00 | 73.00 | 73365.00 | 172.75 | 70.81 | 12232.00 | 85597.00 | | 26905.00 | |
| | | | | | | | | | | | | | | | | **2798228.00** | | **778663.25** | |
| | | | | | | | | EIRL | | | | | | | | | | | |
| 15 | Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete 7.5 cms thick **Page No. 25 / Item No. 5.31.1/ PWD SR 2015-** | Sqm | | | | | | | 594.00 | | | | 594.00 | 636.53 | 378098.00 | 378098.00 | | 378098.00 | |
| 16 | KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at | Cum | | | | | | | 15.12 | | | | 15.12 | 3969.49 | 60019.00 | 60019.00 | | 60019.00 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qty. | Rate | Amount | Qty. | Rate | Amount | | Qty. | Rate | Amount | Qty. | Rate 2015-16+/- T.P | Amount | | | | |
| *1* | *2* | *3* | *4* | *5* | *6* | *7* | *8* | *9* | *10* | *11* | *12* | *13* | *14* | *15* | *16* | *17* | *18* | *19* | *20* |
| 17 | KSRB 15.1.4: Providing ruled pointing to coursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, | Sqm | | | | | | | 22.40 | | | | 22.40 | 93.30 | 2090.00 | 2090.00 | | 2090.00 | |
| 18 | KSRRB M300-53: Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to | Cum | | | | | | | 288.75 | | | | 288.75 | 298.57 | 86211.00 | 86211.00 | | 86211.00 | |
| | Sub Total | | | | 3464694.58 | | | | | | | | | | | 526418.00 | | | |
| | Third Party Inspection Charges @ 1% | | | | 34646.95 | | | | | | | | | | | | 13,06,50.52 | | |
| | Miscelaneous and unforgen charges | LS | | | 658.00 | | | | | | | | | | | | ~~1,68,393~~ 1305081.25 | | |
| | Total | | | | 3500000.00 | | | 3325615.27 | | | | 2434498.00 | | | 363730.00 | 3324646.00 | ~~1306050.52~~ | ~~2083744.50~~ | |

0.03 Below

**SUMMARY:**

1. **Estimated Cost : Rs. 35.00 Lakhs**
2. **Tender Cost : Rs. 33.24 Lakhs**
3. **EIRL Amount Rs. 5,26,418.00 = 15.82 % of the Tender Amount**
4. **Work Slip Amount Rs. 7,78,663.25 = 23.41 % of the Tender Amount**
5. **During execution as per requirement and site condition, the total Qty to be executed costs Rs. 33.24 Lakhs which is 0.03 % BELOW the Tender cost. The proposal may kindly be approved.**

~~Assistant Engineer~~

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

~~Executive Engineer~~
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division, Bangalore - 92
17/8/16

"Work Slip Approved"
Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara
Bangalore 92
22/8/16